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#23
P. willm
01/02/03

U.S. PATENT AND TRADEMARK OFFICE
O I P E
DEC 19 2002
P R O C E S S I N G C E N T E R

CONTINUED PROSECUTION APPLICATION (CPA) REQUEST TRANSMITTAL

Submit an original, and a duplicate for fee processing.
(Only for Continuation or Divisional application under 37 C.F.R. § 1.53(d))

DUPPLICATE

CHECK BOX IF APPLICABLE

Address to: Assistant Commissioner for Patents Box CPA Washington, DC 20231	Attorney Docket No.	112008-0027C1
	First Named Inventor	John Abedor, et al
	Examiner Name	Nguyen, John
	Group/Art Unit	3653
	Express Mail Label No.	EL 714 810 872 US

This is a request for a continuation or divisional application under 37 C.F.R. §1.53(d), (continued prosecution application (CPA)) of prior application number 09/441,003, filed on November 16, 1999, entitled **ESTIMATING TAPE PACK RADIUS USING A KALMAN FILTER**.

NOTES

FILING QUALIFICATIONS: The prior application identified above must be a nonprovisional application that is either (1) complete as defined by 37 C.F.R. §1.51(b), or (2) the national stage of an international application in compliance with 35 U.S.C. 371. A notice will be placed on a patent issuing from a CPA, except for reissues and designs, to the effect that the patent issued on a CPA and is subject to the twenty-year patent term provision of 35 U.S.C. § 154 (a)(2). Therefore, the prior application of a CPA may have been filed before, on or after June 8, 1995.

C-I-P NOT PERMITTED: A continuation-in-part application cannot be filed as a CPA under 37 C.F.R. § 1.53(d), but must be filed under 37 C.F.R. § 1.53 (b).

EXPRESS ABANDONMENT OF PRIOR APPLICATION: The filing of this CPA is a request to expressly abandon the prior application as of the filing date of the request for a CPA. 37 C.F.R. § 1.53(b) must be used to file a continuation, divisional, or continuation-in-part of an application that is not to be abandoned.

ACCESS TO PRIOR APPLICATION: The filing of this CPA will be construed to include a waiver of confidentiality by the applicant under 35 U.S.C. 122 to the extent that any member of the public who is entitled under the provisions of 37 C.F.R. § 1.14 to access to copies of, or information concerning, the prior application may be given similar access to, copies of, or similar information concerning the other application or applications in the file jacket.

35 U.S.C. 120 STATEMENT: In a CPA, no reference to the prior application is needed in the first sentence of the specification and none should be submitted. If a sentence referencing the prior application is submitted, it will not be entered. A request for a CPA is the specific reference required by 35 U.S.C. 120 and to every application assigned the application number identified in such request, 37 C.F.R. § 1.78(a).

1. Enter the unentered amendment previously filed on 09/03/02, under 37 C.F.R. § 1.116 in the prior nonprovisional application.
2. A preliminary amendment is enclosed.
3. This application is filed by fewer than all the inventors named in the prior application, 37 C.F.R. § 1.53 (d)4)
 - a. DELETE the following inventor(s) named in the prior nonprovisional application:

- b. The inventor(s) to be deleted are set forth on a separate sheet attached hereto.

4. A new power of attorney or authorization of agent (PTO/SB/81) is enclosed.

5. Information Disclosure Statement (IDS) is enclosed:

- a. PTO-1449

12/26/2002 SFELEKE1 00000029 09441003

- b. Copies of IDS Citations

01 FC:1006	740.00 OP
02 FC:1201	756.00 OP
03 FC:1202	536.00 OP
04 FC:1203	280.00 OP

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GROUP 3600

Please type a plus sign (+) Inside this box

CLAIMS	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULATIONS
	TOTAL CLAIMS (37 C.F.R. § 1.16(c) or (i))	42 - 20* =	22	* \$ 18.00	\$ 396.00
	INDEPENDENT CLAIMS (37 C.F.R. § 1.16(b) or (i))	12 - 3** =	9	* \$ 84.00	\$ 756.00
	MULTIPLE DEPENDENT CLAIMS(if applicable) (37 C.F.R. § 1.16 (d))			+ \$280.00	
				BASIC FEE (37 C.F.R. §1.16)	\$ 740.00
				Total of above Calculations	\$ 2172.00
	Reduction by 50% for filing by small entity (Note 37 C.F.R. §§ 1.9,1.27&1.28)				\$ 0.00
	* Reissue claims in excess of 20 and over original patent. ** Reissue Independent claims over original patent			TOTAL =	\$ 2172.00

6. Small entity status:

- a. A small entity statement is enclosed, if (b) and (c) do not apply.
- b. A small entity statement was filed in the prior nonprovisional application and such status is still proper and desired.
- c. Is no longer claimed.

7. The Commissioner is hereby authorized to credit overpayments or charge the following fees to Deposit Account No. 03 - 1237.

- a. Fees Required under 37 C.F.R. § 1.16.
- b. Fees Required under 37 C.F.R. § 1.17.
- c. Fees Required under 37 C.F.R. § 1.18.

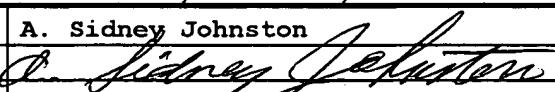
8. A check in the amount of \$ 2172 is enclosed.

9. Other:

NOTE: The prior application's correspondence address will carry over to this CPA
UNLESS a new correspondence address is provided below.

18. NEW CORRESPONDENCE ADDRESS					
<input checked="" type="checkbox"/> Customer Number or Bar Code Label (Insert Cus)		 24267		or <input type="checkbox"/> Correspondence address below (Insert here)	
Name	A. Sidney Johnston PATENT TRADEMARK OFFICE				
Address	Cesari and McKenna, LLP 88 Black Falcon Avenue				
City	Boston	State	MA	Zip Code	02210
Country	U. S. A.	Telephone	(617) 951-2500	Fax	(617) 951-3927

11. SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

Name (Print/Type)	A. Sidney Johnston
Signature	
Registration No. Attorney/Agent)	29,548
Date	December 19, 2002



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Patent and Trademark Office/SB/17 (10-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

FEET TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT **(\$)** **2,352**

Complete if Known

Application Number	09/441,003
Filing Date	November 16, 1999
First Named Inventor	John Abedor, et al
Examiner Name	Nguyen, John
Group Art Unit	3653
Attorney Docket No.	112008-0027C1

METHOD OF PAYMENT

1. The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number **03-1237**
Deposit Account Name **Cesari and McKenna, LLP**

Charge Any Additional Fee Required Under 37 C.F.R. §§1.16 and 1.17

Applicant claims small entity status.
See 37 CFR 1.27

2. **Payment Enclosed:**

Check Credit card Money Order Other

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Fee Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English Specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	128	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility Issue fee (or reissue)	
143	460	243	230	Design Issue fee	
144	620	244	310	Plant Issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	180
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify)					
Other fee (specify)					
*Reduced by Basic Filing Fee Paid				SUBTOTAL (3)	(\$) 180

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code	Fee (\$)	Small Entity Fee Code	Fee (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	740
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	
SUBTOTAL (1) (\$)				740	

2. EXTRA CLAIM FEES

Extra Claims	Fee from Claims below	Fee Paid
Total Claims 42	- 20** = 22 x 18 = 396	
Independent Claims 12	- 3** = 9 x 84 = 756	
Multiple Dependent	280	280

Large Entity Fee Code	Fee (\$)	Small Entity Fee Code	Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent
SUBTOTAL (2) (\$)				1,432

**or number previously paid, if greater; For Reissues, see below

SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	A. Sidney Johnston	Registration No. (Attorney/Agent)	29,548	Telephone	(617) 951-2500
Signature	<i>A. Sidney Johnston</i>			Date	December 19, 2002

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Office, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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GROUP 3600



12-23-02

PATENTS
112008-0027C1

CPA #
3653

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re The Application of:)
John Abedor, et al)
Serial No.: 09/441,003)
Filed: November 16, 1999)
For: ESTIMATING TAPE PACK RA-)
DIUS USING A KALMAN FILTER)
)

Examiner: Nguyen, John

Art Unit: 3653

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DEC 30 2002

GROUP 3600

Cesari and McKenna, LLP
88 Black Falcon Avenue
Boston, MA 02210
December 19, 2002

EXPRESS-MAIL DEPOSIT

“Express Mail” Mailing-Label Number: EL 714 810 872 US

The following papers are being deposited with the United States Postal Service
“Express Mail Post Office to Addressee” service pursuant to 37 C.F.R. §1.10:

<input checked="" type="checkbox"/> Fee Transmittal Letter	<input checked="" type="checkbox"/> (CPA) Request Transmittal Letter
<input checked="" type="checkbox"/> Check for \$2,352.00	<input checked="" type="checkbox"/> Information Disclosure Statement
<input checked="" type="checkbox"/> PTO-1449 and Copies of References	<input checked="" type="checkbox"/> Petition 3 Months of Extended Time
<input checked="" type="checkbox"/> Check for \$920.00	